720
U. S. COAST GUARD

GENERAL NOTES

1. FOR LOCATIONS OF TOPSIDE MOUNTED EQUIPMENT RELATED TO ANTENNAS, SUCH AS TUNERS, COUPLERS, AMPLIFIERS, ETC., SEE ARRANGEMENT OF ELEC EQUIPMENT 02 DECK AND ABOVE (REFERENCE 21).

2. BONDING AND GROUNDING OF EQUIPMENT SHALL BE IN ACCORDANCE WITH MIL-STD-1310D, FOR BONDING AND GROUNDING OF ELECTRONIC EQUIPMENT, SEE REFERENCE 22.

3. ALL ABBREVIATIONS ARE IN ACCORDANCE WITH MIL-STD-12, UNLESS OTHERWISE NOTED.

4. THE FOLLOWING NON-STANDARD ABBREVIATIONS ARE USED ON THIS DRAWING:

I & BWD : (ISOMETRIC AND BLOCK WIRING DIAGRAM)
B & IWD : (BLOCK AND ISOMETRIC WIRING DIAGRAM)
IWD : (ISOMETRIC WIRING DIAGRAM)
N : (NEW)
E : (EXISTING)
R : (REUSED OR RELOCATED)
EIL : (EQUIPMENT IDENTIFICATION LIST)

D3 5. SYM/MODEL AND OUTLINE & MTG DWG NO COLUMNS CONTAIN INFORMATION RELATING TO EXISTING NAVIGATION LIGHTS. IF NAVIGATION LIGHTS ARE REPLACED. REFER TO REF 20 FOR CURRENT HULL APPLICABILITIES AND TABLE BELOW.

FN	NOMENCLATURE	OLD SYM	NEW SYM	OUTLINE & MTG DWG NO.
54	UPPER MAN OVBD & BREAKDOWN LIGHT	115	115.1	MIL-L-24560/2
55	LOWER MAN OVBD & BREAKDOWN LIGHT	115	115.1	MIL-L-24560/2
56	FWD ANCHOR LIGHT (WHITE)	161.3	161.4	MIL-L-24560/23
57	AFT ANCHOR LIGHT (WHITE)	161.3	161.4	MIL-L-24560/23
58	MASTHEAD LIGHT (WHITE)	172.1	172.2	MIL-L-24560/10
59	RANGE LIGHT (WHITE)	172.1	172.2	MIL-L-24560/10
60	UPPER TOWING LIGHT (WHITE)	172.1	172.2	MIL-L-24560/10
61	LOWER TOWING LIGHT (WHITE)	172.1	172.2	MIL-L-24560/10
62	PORT SIDE LIGHT (RED)	182.1	182.2	MIL-L-24560/9
63	STBD SIDE LIGHT (GREEN)	183.1	183.2	MIL-L-24560/9
64	STEERING LIGHT (WHITE)	195.1	195.1	MS 17318
65	STERN LIGHT (CLEAR)	196.1	196.3	MIL-L-24560/8
66	BLINKER LIGHT (PORT)	191.2	191.2	MIL-L-24560/5
67	BLINKER LIGHT (STBD)	191.2	191.2	MIL-L-24560/5
68	12" SEARCH LIGHT	66.1	66.1	MIL-S-19551
70	UNDERWATER TASK LIGHT (MIDDLE)	114	192.1	MIL-L-24560/6
73	AIRCRAFT WARNING & SPEED LIGHT (PORT)	115	160.1	MIL-L-24560/1
74	AIRCRAFT WARNING & SPEED LIGHT (STBD)	115	160.1	MIL-L-24560/1
75	ASW LIGHT	176	176	HUBBELL 15365
76	STERN TOWING LIGHT	196.1	196.3	MIL-L-24560/8
77	STERN TOWING LIGHT (PORTABLE)	196.4	196.4	MIL-L-24560/8

E 6. RELOCATE THE MODEL 8171 SPECTRUM ANTENNA TO THE YARDARM INSTALL THE AS-3819/SRN ANTENNA ON THE VACATED FOUNDATION.

REFERENCES

	NO.	TITLE	DRAWING NO.	
	1	TACAN SYS AN/URN-25 CKT "IR-RN" I & BWD	378-FRAM-W- 423-003	
	2	~~RAD ANT SYS CKT "R-RA" BLK & IWD~~	~~441-003~~	G3
	3	~~SATL RCVG SYS AN/SRR-1 BLK & IWD~~	~~441-007~~	G3
		~~CKT R-ES BLK & IWD~~		
	4	~~SURFACE SEARCH RADAR SYS AN/SPS-64(V)4~~	~~451-001~~	H5
		~~I & BWD~~		
	5	AIR SRCH RDR SYS AN/SPS-40( ) CKT "R-EA"	452-001	D2
	6	RDR IFF SYS CKT "R-1C" & "R-1T" BLK & IWD	455-001	
		& AN/SKR-4 I & BWD		
	7	SONAR SIGNAL PROCESSING SYS AN/SQR-17A (V)1	460-001	
	8	SATL XCVR SYS AN/WSC-3(V)3 I & BWD	441-008	
		"R-CI" AND "R-IE" ISOMETRIC AND BLK WRG DIAG		
	9	ELECTRONIC COUNTERMEASURE SYSTEM CIRCUIT	472-003	D1
	10	GUN FIRE CONT SYS MK92 MOD1 BLK & IWD	481-004	
	11	ELEX NAVIGATIONAL SYS I & BLK WRG DIAG	423-001	
		CKT TV BLK & IWD		
	12	RECREATION TV & ENTERTAINMENT SYSTEM	434-001	
	13	ANTENNA FOUNDATIONS	184-001	
	14	JACK & ENSIGN STAFF	611-002	
	15	FOREMAST	171-003	
	16	MAINMAST	171-001	
	17	~~ANTENNA EQPT FOUNDATIONS~~	~~184-007~~	D1
	18	ELEX & ELEC FOUNDATIONS MN DK & ABOVE	184-003	
	19	ANTENNA DETAILS	405-002	
	20	RUNNING, SIGNAL & ANCHOR LIGHTS - IWD	422-001	
	21	ARR OF ELEC EQPT 02 LEVEL & ABV	301-008	D1
		SCHEDULE AND DETAILS		
	22	BONDING & GROUNDING OF ELECTRONIC EQPT	406-002	
	23	AN/WRN-6(V) ARRANGEMENT, INSTALLATION & BWD	378-FRAM-W- 423-100	E
	24	MAST & PLATFORM FOR INMARSAT MX 2400 ANTENNA	378-FRAM-W- 441-101	F
	25	RADIO COMMUNICATIONS BLOCK WIRING DIAGRAM & DETAILS	378-FRAM-W- 441-015	G3
H3	26	INMARSAT STANDARD-C SYS B.W.D. & DETAILS	378-FRAM-E- 441-029	
	27	AN/SPS-73(V)4 SRFC SRCH RDR BLK WRG DIAG & DETAILS	378-FRAM-E- 451-030	H7
J1	28	INMARSAT-C UPGRADE ARR & DETAILS	FL-6700-74	
K2	29	DEEPWATER AIS - CABLE BLOCK DIAGRAM	378-FRAM-E-423-013	
	30	DEEPWATER AIS - CABLE RUN SHEET	378-FRAM-E-423-014	
	31	DEEPWATER LAW MARINE AND DSC RADIO - CBD	378-FRAM-E-441-033	
K2	32	DEEPWATER LAW MARINE AND DSC RADIO - CRS	378-FRAM-E-441-034	
L2	33	SEI EQUIPMENT AN/SSX-1 BWD AND DETAILS	378-FRAM-E-441-034	
M5	34	SIRVSS & CVRS BWD & INSTALL DETAILS	FL-6701-221	
M6	35	SINS NAVIGATION SYSTEM BWD & DETAILS	378-FRAM-E-423-017	

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED
ALL	A	ORIGINAL ISSUE	JK	6-3-86
ALL	B	1. REVISED DRAWING IN ITS ENTIRETY. THIS REVISION INCLUDES THE FOLLOWING CHANGES:		
ALL		2. EXTENDED DRAWING APPLICABILITY TO HULL 720. THE ABOVE CHANGE INCORPORATES ECN FE-083.		
VAR		3. CHANGED NOMENCLATURE OF ANTENNAS 1-10A THROUGH 1-10D (F/N 10 THROUGH 13) FROM AS-2815/SSR-1 TO AS-2815/SSR-1A AND TITLE OF REFERENCE 3 FROM SAT RECEIVING SYSTEM AN/SSR-1 B & IWD TO SAT RECEIVING SYSTEM AN/SSR-1A B & IWD. THE ABOVE CHANGES INCORPORATE MOD-0068.		
VAR		4. CHANGED ANTENNA 4-3 (F/N 31) FROM AS-514B/URD-4 TO CDYM-TD-L1650, ADDED ANTENNA IFF AS-177B/UPX (SP & WT) (F/N 53). RELOCATED ANTENNAS 1-10A, 1-10B, 2-5, 3-3 AND CCEM-390-2 (F/N 10, 11, 18, 27 AND 46 RESPECTIVELY). THE ABOVE CHANGES INCORPORATE MOD-0035.		
ALL		5. LIFTED RESERVATIONS 1 AND 2 AND EXTENDED DRAWING APPLICABILITY TO HULL 724.	DCL	4/13/88
SH 2 EIL SH 3 3F 4F SH 4 5D 4F	C	1. ADDED ASW LIGHT F/N 75. REVISED PLAN 4-A (SH 3) & ELEV 4-A (SH 4) TO SUIT. REVISED QTY OF 12" SEARCH LIGHT F/N 68 FROM 4 TO 2 & ADDED ALTERNATE LOCATION NOTATION TO ONE (1) EACH, PORT & STBD 12" SEARCH LIGHT ON BODY OF DWG. THE ABOVE CHANGES INCORPORATE ECN FE-1183.		
SH 2 EIL		2. REVISED SYM/MODEL COLUMN FOR ANTENNA 1-9 (FREQ & TIME STD) F/N 9 FROM 8206 TO CEES-8206 AND ANTENNA (TACAN) F/N 45 FROM AS-3240/URN TO AS-3240 ( )/URN. THE ABOVE CHANGES INCORPORATE MOD 0087.		
SH 2 EIL		3. REVISED SOURCE UNDER QTY COLUMN FOR ANTENNA 1-2, 1-3, 1-9, 2-2, 2-5, 2-13 AND 2-15, F/N 1, 2, 9, 15, 18, 23, AND 24 RESPECTIVELY. THE ABOVE CHANGES INCORPORATE MOD 0109.		
SH 2 EIL		4. REVISED NOMEN COLUMN FOR ANT 1-2, 1-3, 1-6, 1-7 AND WHIP (HF, SHORT RANGE) ANTENNA AND UNDERWATER TASK LIGHT F/N 1, 2, 6, 7, 46 AND 70 RESPECTIVELY.		
SH 2 EIL		5. REVISED ORD REF COLUMN FROM REF 2 TO REF 19 FOR ANTENNA 1-5A, 1-5B, 3-3, 3-4, 3-5 AND 3-6, FN 4, 5 AND 27 THRU 30 RESPECTIVELY.		
SH 2 EIL		6. REVISED SYM/MODEL COLUMN FOR 12" SEARCHLIGHT, INFRARED XMTR BEACON (PORT) AND INFRARED XMTR BEACON (STBD) F/N 68, 71 & 72 RESPECTIVELY.		
SH 2 EIL		7. REVISED REMARKS COLUMN FOR F/N 54 THRU 67, 69, 70, 73 AND 74.		
SH 2 EIL		8. REVISED OUTLINE AND MTG DWG NO. COLUMN FOR 19" SEARCH LIGHT F/N 69.		
SH 2 EIL SH 3 5F,8F		9. ADDED STERN TOWING LIGHT, STERN TOWING LIGHT ((PORTABLE) AND WHISTLE LIGHT F/N 76, 77 & 78 RESPECTIVELY. REVISED BODY OF DWG TO SUIT.		
SH 4 5E,8C SH 4 4D		10. REVISED DEPICTION OF ANT 2-5 AND 2-14 F/N 18 AND 46 RESPECTIVELY TO REFLECT A HEIGHT OF 23 FT.		
ALL		11. EXTENDED DWG'S APPLICABILITY TO HULLS 719, 722, 723, 725 AND 726. REVISION ITEMS 4 THRU 11 DUE TO DESIGN DEVELOPMENT.	12/6/88	DCL
SH1 REF	D	1. REVISED REF 9, 21. DELETED REF 17.		
		2. REVISED REF 5 TO INC ECN FE-1633.		
GN		3. ADDED GN 5.		

REVISIONS CONT'D IN ZONE 2-H

REVISIONS (CONTINUED)

ZONE	REV	DESCRIPTION	DATE	APPROVED
SH2 B/M	D (CONTD)	4. REVISED NOMENCLATURE OF FN39 FROM "AS-2782/SPS-40B" TO "AS-2782/SPS-40( ) TO INC ECN FE-1633. 5. REV FN54 THROUGH FN68, FN70, FN73 THROUGH FN77. ITEMS 1-3 & 5 INC DWG CHANGES.		
SH 1 6H	E	ADDED REFERENCE 23	11-15-94	BY: RWW SKA APPVD: RGM/S/ KSL/S/ RVS/S/
SH 2 3E		CHANGED FIND NO'S 25 & 26 FM MLA-2D/CG TO MLA-324 & MLA-1E-CG TO MLA-115 RESPECTIVELY		
SHTS 2, 3, 4		ADDED FIND NO'S 79, 80 & 81; GEN NOTE 6 DELETED FIND NO'S 32 & 47		
SH 4 4F		ADDED DETAIL 2-F/4		
ALL		CONVERTED TO AUTO-CAD FORMAT IAW COMDT INST M9085.1 THE FOLLOWING VIEWS WERE RENUMBERED AS FOLLOWS: WAS: SHT 3: PLAN 4-A — IS: PLAN VIEW WAS: SHT 4: ELEV 4-A — IS: 5-B/4 THIS REVISION REFLECTS THE SCCS INSTALLATION IAW PROJECT 23412 & MINILOOP REPLACEMENT PROJECT 32809.		
ALL	F	THIS REVISION REFLECTS THE INMARSAT STD "A" SYSTEM INTALLATION IAW PROJECT 32906. ADDED FIND #82, ADDED REF #24.	6-22-95	BY: REC RGM/S/ KSL/S/ RVS/S/
	G	THIS REVISION REFLECTS UPDATES AND CHANGES IAW PROJECT 24802.	8-1-96	BY: RWW RGM/S/ KSL/S/
3&4		1. RELOCATED PC #31.		
2&4		2. ADDED PC #83.		
1		3. DELETED REF'S #2, 3 & 7. ADDED REF #25.		
	H	ITEMS 1 THRU 4 REFLECT UPDATES AND CHANGES IAW PROJECT 35901.	5-8-00	BY: DAK RGM/S/ RBS/s/ KSL/S/
SH 2 4-F SH 3,4 ALL		1. ADDED PC #84.		
SH 4 8-F		2. ADDED DET 8-F/4.		
SH 1 6-F		3. ADDED REF #26.		
SH 1 4-D 3-A		4. REVISED PLAN DISTRIBUTION TABLE & INDEX.		
		ITEMS 5 THRU 7 REFLECT UPDATES AND CHANGES IAW PROJECT 24406.		
SH 2 4-D SH 1 4-H		5. DELETED PC# 38 & 40, REF #4		
SH 2 8-E,F SH 3,4 ALL		6. ADDED PC# 85 THRU 88.		
SH 1 6-F		7. ADDED REF# 27		
	J	THIS REVISION REFERENCES, UPDATES, AND CHANGES IAW PROJECT 50402	08-04-04	BY: WES RGM SPM
1		1. ADDED REF #28		
1		2. REVISED INDEX		
2,3,4		3. REVISED FN 84		
		4. REVISED DETAIL 8-F/4		
	K	THIS REVISION INCORPORATES THE INSTALLATION OF AIS AND LAW MARINE AND DSC RADIOS.	07-31-06	BY: GBS JFH/S/
1		1.UPREV'D INDEX AND PLAN APPLICABILITY		
1		2.ADDED REFERENCES #29 TO #32		
2,3,4		3.ADDED PC#89 TO PC#94		
	L	THIS REVISION IAW PROJECT 23802 AN/SSX-1 SEI EQUIPMENT INSTALLATION	09-08-08	BY: AFS CHK'D: RGM SPM/S/
1		1. REVISED TITLE SHEET		
2,3,4		2. ADDED ANTENNA 5-8, ITEM #95, REF. #33		
		3. DELETED ITEM #49		

REVISIONS CONT'D IN ZONE 4-C

REVISIONS (CONTINUED)

ZONE	REV	DESCRIPTION	DATE	APPROVED
	M	THIS REVISION IAW PROJECTS 28815 SINS NAVIGATION SYSTEM INSTALLATION & 23802 SIRVSS INSTALLATION. ANTENNA POSITIONS DERIVED FROM SITE SURVEY ON CGC SHERMAN (HULL 720)	01/23/09 02/13/09 5/27/09	BY: AFS/ WES CHK'D: WES/ AFS SPM/S/ CGYard
SH. #1 ALL		1. REVISED TITLE SHEET		
8-E/2 4-C/3 3-F/4		2. ADDED ANTENNA 6-4.		
8-E/2 3-F/3 3-F/4		3. ADDED ANTENNA 1-15.		
4-C/3 4-E/4 4-C/2		4. DELETED ANTENNA 8-2 (ITEM #43)		
6-E/1		5. ADDED REFERENCE #34.		
8-F/2		6. REVISED FIND NO. 82.		
8-D/2 4-D/3 4-F/4		7. ADDED FIND NO. 98.		
6-E/1		8. ADDED REFERENCE #35.		

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INDUSTRIAL DEPT.	1	1	1							
STRUCTURAL GROUP:										
SHOPS: X11 SHIPFITTER SECT.										
X12 SHEETMETAL SECT.										
X13 WELDING SECT.										
MECHANICAL GROUP:										
SHOPS: X21 PIPEFITTER SECT.										
X22 MACHINE SECT.										
X23 MARINE MACHINE SECT.										
ELECTRICAL GROUP:										
SHOPS: X31 ELECTRICAL SECT.										
X32 ELECTRONICS SECT.	2	2	2	1						
X33 ORDNANCE SECT.										
SERVICES GROUP.										
SHOPS: X41 WOODWORKING SECT.										
X42 PAINT SECT.										
X43 MATERIAL HNDLG SECT.										
X44 RAILWAY/DRYDKG SECT.										
X45 BOAT BLDG SECT.										
EOPMB	1									
C2CEN (SSR)	1	1	1	1						
CG DISTRIBUTION:										
COMDT ELC-02T		0	0	0						
COMDT G-SCE	1	1	1							
COMDT ELC-033 (SPLY-TECH SECT.)										
COMDT ELC-026 (FLT SUP-TECH SVCS)										
Q & A STAFF										
TISCOM-INMARSAT		1	1	1						
OTHER DISTRIBUTION:										
MLCLANT (VAD-2)	*	*	*							
MLCLANT (tp-1)	1	1	1							
MLCP (vs-tech)	*	*	*	*						
MLCP (te-1)	1	1	1	1						
ESU-										
MORGENTHAU, RUSH, MUNRO	6	6	6	6						
MELLON, BOUTWELL, SHERMAN	6	6	6	6						
JARVIS, MIDGETT	4	4	4	4						
ENGINEERING DIVISION FILES	O	*	*	E						
ALTERATION	E	F	G	H						
TOTAL	25	25	24	20						

INDEX H4

SH	DESCRIPTION	REVISION							
1	DWG TITLE, REFERENCES, REVISIONS AND GENERAL NOTES, PLAN APPLICABILITY & PLAN DIST.	E	F	G	H	J	K	L	M
2	EQUIPMENT IDENTIFICATION LIST	E	F	G	H	J	K	L	M
3	ARRANGEMENT, PLAN	E	F	G	H	J	K	L	M
4	ARRANGEMENT, ELEVATION 5-A/4 & DETAIL 2-F/4	E	E	G	H	J	K	L	M

J2

C11

HULL NO.	CUTTER NAME	ALT	DATE S/A COMPLETED	DATE S/A CERTIFIED
726	MIDGETT	M		
725	JARVIS	M		
724	MUNRO	M		
723	RUSH	M		
722	MORGENTHAU	M		
720	SHERMAN	M		
719	BOUTWELL	M		
717	MELLON	M		

H4 PLAN APPLICABILITY

USCG YARD, 2401 HAWKINS POINT RD
BALTIMORE, MARYLAND 21226-1797

	INITIALS	DATE
DESIGN	L. CLEMMENS	12/5/88
DRAWN	L. CLEMMENS	12/5/88
CHECKED	G. ARTEAGA	

TODD APPVL

USCG APPVL

U.S.C.G. APPROVAL

INDUSTRIAL DEPARTMENT, CGYD

U.S. COAST GUARD HEADQUARTERS WASHINGTON, D.C. 20593

NAVAL ENGINEERING DIVISION

378 FT WHEC

GENERAL ARRANGEMENT OF ANTENNA, RUNNING, ANCHOR AND SIGNAL LIGHTS

SIZE	FSCM CAGE NO	U.S.C.G. DRAWING NO.	REV
H	81340	378-FRAM-W-401-015	M
SCALE NONE		10.42 SQ FT	SHEET 1 OF 4

EQUIPMENT IDENTIFICATION LIST

	FIND NO.	NOMENCLATURE	SYM/MODEL	QTY N	QTY E	QTY R	OUTLINE & MTG DWG NO.	GFE	WT LBS	ORD REF	FDN REF	REMARKS
C 3,4	1	ANTENNA 1–2, WHIP (HF RCVG)	CCEM–229	1			CG7610–01–GF1–0801		142	2	17	
C 3,4	2	ANTENNA 1–3, WHIP (HF RCVG)	CCEM–229	1			CG7610–01–GF1–0801		142	2	17	
	3	ANTENNA 1–4, (MF/HF DF)	TD–C338HS	1			TD–C338HS		14	11	13	
C 5	4	ANTENNA 1–5A, LONG WIRE (HF)		1			SHOP FAB			19	13	
C 5	5	ANTENNA 1–5B, LONG WIRE (HF)		1			SHOP FAB			19	13	
C 4	6	ANTENNA 1–6, WHIP (MF RCVG)	AT–924A/SR	1			RE–F2695039		6	2	17	W/RF TUNER,TN–334A/SRA–17
C 4	7	ANTENNA 1–7, WHIP (MF RCVG)	AT–924A/SR	1			RE–F2695039		6	2	17	W/RF TUNER,TN–334A/SRA–17
	8	ANTENNA 1–8 (RAYSAT 200)	CRP–NAU–3800R	1			CRP–NAU–3800R		2	11	13	
C 2,3	9	ANTENNA 1–9 (FREQ & TIME STD)	MODEL 8171	1			MODEL 8171		3	2	15	
	10	ANTENNA 1–10A (SATL RCVG)	AS–2815/SSR–1A			1	0967–541–9010		12.75	3	13	
	11	ANTENNA 1–10B (SATL RCVG)	AS–2815/SSR–1A			1	0967–541–9010		12.75	3	13	
	12	ANTENNA 1–10C (SATL RCVG)	AS–2815/SSR–1A		1		0967–541–9010		12.75	3	17	
	13	ANTENNA 1–10D (SATL RCVG)	AS–2815/SSR–1A		1		0967–541–9010		12.75	3	17	
	14	ANTENNA 1–11 (LORAN "C")	M75/M68453	1			DC50–JNA–750M		2	11	13	W/COUPLER, AW–750
C 3	15	ANTENNA 2–2 (AM–VHF)	D–2216	1			TECH APPL D–2216		2	2	15	
	16	ANTENNA 2–3 (UHF DIPOLE)	AT–150/SRC	1			RE–F2691919		5	2	15	
	17	ANTENNA 2–4 (VHF)	NT–66095		1		0967–089–5010		5	2	15	
C 3	18	ANTENNA 2–5, WHIP (HF, SHORT RANGE)	CCEM–390–2	1			CCEM–390–2		27	2	13	
	19	ANTENNA 2–8 (VHF)	NT–66095		1		0967–089–5010		5	2	15	
	20	ANTENNA 2–9 (UHF DIPOLE)	AT–150/SRC	1			RE–F2691919		5	2	15	
	21	ANTENNA 2–10 (UHF DIPOLE)	AT–150/SRC	1			RE–F2691919		5	2	15	
	22	ANTENNA 2–11 (UHF DIPOLE)	AS–390/SRC	1			RE–F2691919		9	2	15	
C 3	23	ANTENNA 2–13 (VHF–FM)	CCEM–396–1	1			CCEM–396–1		3	2	15	
C 3	24	ANTENNA 2–15 (VHF–FM)	CCEM–396–1	1			CCEM–396–1		3	2	15	
E	25	ANTENNA 3–1 (HF, MINILOOP)	MLA–324	1			CG7610–01–GE8–4101		150	2	17	
E	26	ANTENNA 3–2 (HF, MINILOOP)	MLA–115	1			CG7610–01–GE8–9610		230	2	17	
C 5	27	ANTENNA 3–3, FAN (HF BROADBAND)		1			SHOP FAB			19	13	
	28	ANTENNA 3–4, WIRE (MF XMTG)		1			SHOP FAB			19	19	
	29	ANTENNA 3–5, FAN (HF BROADBAND)		1			SHOP FAB			19	13	
C 5	30	ANTENNA 3–6, WIRE (MF XMTG)		1			SHOP FAB			19	19	
	31	ANTENNA 4–3 (UHF DF)	CDYM–TD–L1650	1			OPN MNL A1650		13	11	13	
E	32	~~ANTENNA 4–4 (VHF ADF)~~	~~AN/SRD–22~~	~~1~~			~~CG7610–GE8–6410~~		~~8~~	~~11~~	~~13~~	
	33	ANTENNA 5–1 (ESM)	AS–899EORF/SLR	1			RE–C2699894		268	9	13	
	34	ANTENNA 5–2 (ESM)	NT–66131		1		NAVSEA 900,656		30	9	13	
	35	ANTENNA 5–3 (ESM)	NT–66132		1		0967–896–4010		35	9	13	
	36	ANTENNA 5–4 (ESM)	NT–66132		1		0967–896–4010		35	9	13	
	37	ANTENNA 5–5 (ESM)	NT–66131		1		NAVSEA 9000,656		30	9	13	
H 5	38	~~ANTENNA 6–1 (X BAND, SURF SRCH)~~	~~AS–3194/AB–1247A~~	~~1~~			~~807–5034947~~		~~140~~	~~4~~	~~15~~	~~W/ANT PEDESTAL~~
D 4	39	ANTENNA 6–2 (AIR SRCH RDR)	AS–2782/SPS–40()	1			RE–D2699234		1725	5	16	
H 5	40	~~ANTENNA 6–3 (S BAND, SURF SRCH)~~	~~AS–3195/AB–1248~~	~~1~~			~~807–5034947~~		~~332~~	~~4~~	~~15~~	~~W/ANT PEDESTAL~~
	41	ANTENNA 7–1 (IFF)	AS–177B/UPX	1			RE–D2699046		7	6	13	
	42	ANTENNA 7–2 (IFF)	AS–177B/UPX	1			RE–D2699046		7	6	13	
M 5	43	~~ANTENNA 8–2 (AM/FM VHF/UHF)~~	~~MK22CA~~	~~1~~			~~NAV ELEX AB306~~		~~12.1~~	~~12~~	~~13~~	
	44	ANTENNA 10–1 (IFF)	AS–177B/UPX	1			RE–D2699046		7	6	13	
C 2	45	ANTENNA (TACAN)	AS–3240( )/URN	1			807–5034290		107	1	16	
C 4	46	ANTENNA, 2–14 WHIP (HF, SHORT RANGE)	CCEM–390–2	1			CCEM–390–2		27	2	13	
E	47	~~ANTENNA/COUPLER (OMEGA II)~~	~~CDED–OMEGA II~~	~~1~~			~~CDED–OMEGA II~~		~~4~~	~~11~~	~~13~~	
	48	ANTENNA (LAMPS DATA LINK)	AS–2743/SKR–4	1			RE–D5034359		3	7	13	
L 3	49	~~ANTENNA (SONOBUOY RCVR)~~	~~AS–2809/SRC~~	~~1~~			~~0967–475–4010~~		~~7~~	~~7~~	~~13~~	
	50	ANTENNA UD401 (MK 92)	MK53 MOD O	1			NAVSEA 5469711		1960	10	13	
	51	ANTENNA (SATL DIR)	AS–3018A/WSC–1(V)	1			0967–614–0010		294	8	13	
	52	ANTENNA (SATL DIR)	AS–3018A/WSC–1(V)	1			0967–614–0010		294	8	13	
	53	ANTENNA (IFF)	AS–177B/UPX	1			RE–D2699046		7			(SP & WT)
D 5 C 7	54	UPPER MAN OVBD & BREAKDOWN LIGHT			1				2.5	20	15	SEE GENERAL NOTE 5
	55	LOWER MAN OVBD & BREAKDOWN LIGHT			1				2.5	20	15	SEE GENERAL NOTE 5
	56	FWD ANCHOR LIGHT (WHITE)			1				7.4	20	14	SEE GENERAL NOTE 5
	57	AFT ANCHOR LIGHT (WHITE)			1				7.4	20	14	SEE GENERAL NOTE 5
	58	MASTHEAD LIGHT (WHITE)			1				18	20	15	SEE GENERAL NOTE 5
	59	RANGE LIGHT (WHITE)			1				18	20	16	SEE GENERAL NOTE 5
	60	UPPER TOWING LIGHT (WHITE)			1				18	20	15	SEE GENERAL NOTE 5
	61	LOWER TOWING LIGHT (WHITE)			1				18	20	15	SEE GENERAL NOTE 5
	62	PORT SIDE LIGHT (RED)			1				18	20	18	SEE GENERAL NOTE 5
	63	STBD SIDE LIGHT (GREEN)			1				18	20	18	SEE GENERAL NOTE 5
D 5 C 7	64	STEERING LIGHT (WHITE)			1				1.1	20	14	SEE GENERAL NOTE 5

C 11

EQUIPMENT IDENTIFICATION LIST (CONTINUED)

	FIND NO.	NOMENCLATURE	SYM/MODEL	QTY N	QTY E	QTY R	OUTLINE & MTG DWG NO.	GFE	WT LBS	ORD REF	FDN REF	REMARKS
D 5 C 7	65	STERN LIGHT (CLEAR)			1				18	20	18	SEE GENERAL NOTE 5
	66	BLINKER LIGHT (PORT)			1				25.6	20	15	SEE GENERAL NOTE 5
C 7	67	BLINKER LIGHT (STBD)			1				25.6	20	15	SEE GENERAL NOTE 5
D 5 C 1,6	68	12" SEARCH LIGHT			2					20	18	SEE GENERAL NOTE 5
C 7,8	69	19" SEARCH LIGHT			1		CARLISLE FINCH 19SL–6509			20	15	CROUSE–HINDS
D 5 C 4,7	70	UNDERWATER TASK LIGHT (MIDDLE)			1				2.5	20	15	SEE GENERAL NOTE 5
C 6	71	INFRARED XMTR BEACON (PORT)	67–12–31.2		1		T–438/SAT–2			20	15	
C 6	72	INFRARED XMTR BEACON (STBD)	67–12–31.2		1		T–438/SAT–2			20	15	
D 5 C 7	73	AIRCRAFT WARNING & SPEED LIGHT (PORT)			1				2.5	20	15	SEE GENERAL NOTE 5
C 7	74	AIRCRAFT WARNING & SPEED LIGHT (STBD)			1				2.5	20	15	SEE GENERAL NOTE 5
C 1	75	ASW LIGHT			1					20	15	SEE GENERAL NOTE 5
C 9	76	STERN TOWING LIGHT			1					20	18	SEE GENERAL NOTE 5
D 5 C 9	77	STERN TOWING LIGHT (PORTABLE)			1					20	18	SEE GENERAL NOTE 5
C 9	78	WHISTLE LIGHT		1			KAHLENBERG M350			20	15	
E	79	ANTENNA (GPS), P/N 819766–803	VOLUTE, MX–200	1				GFE				
E	80	ANTENNA COUPLER, P/N 798007–001–001	MSR–4050	2				GFE				MACKAY COMMUNICATIONS CORP.
E	81	ANTENNA, AN/WRN–6(V) GPS	AS–3819/SRN	1				GFE				
M 6 F	82	ANTENNA, NERA SATURN Bm		1				GFE			24	INMARSAT STD "B"
G 2	83	ANTENNA, VHF ADF, CFHN–IES–KDF–538		1				GFE				
J 3 H 1	84	ANTENNA, ADE, MDT–6000	TT–3005M	1				GFE				INMARSAT STD "C"
H 6	85	ANTENNA, SURFACE SEARCH X–BAND	AS–4474/SPS–73(V)4	1			HUGHES #XN5A (U)	GFE	300			W/PEDESTAL TYPE AB–1399/SPS–73(V)4
H 6	86	ANTENNA, SURFACE SEARCH S–BAND	AS–4475/SPS–73(V)4	1			HUGHES #SN5AF (U)	GFE	275			W/PEDESTAL TYPE AB–1400/SPS–73(V)4
H 6	87	TEST SET, RADAR, PERFORMANCE MONITOR, X–BAND	TS–4500/SPS–73(V)4	1			HUGHES #PM–30	GFE	20			
H 6	88	TEST SET, RADAR, PERFORMANCE MONITOR, S–BAND	TS–4499/SPS–73(V)4	1			HUGHES #PM–50	GFE	20			
K 3	89	ANTENNA 3–7 (VHF P–25 #1)	4265A	1								T04KKH9PW9N
K 3	90	ANTENNA 3–8 (VHF P–25 #2)	4265A	1								T04KKH9PW9N
K 3	91	ANTENNA 3–9 (UHF P–25)	4266	1								T04QKH9PW9N
K 3	92	ANTENNA 3–10 (VHF DSC)	5241–R	1								DSC500M000
K 3	93	ANTENNA 4–5 (VHF AIS)	954–VW	1								SAAB–R4
K 3	94	ANTENNA 4–6 (GPS AIS)	GPA–017	1								SAAB–R4
L 2	95	ANTENNA 5–6 (AN/SSX–1 ESM)	AS–1200B	1								AN/SSX–1 ESM EQUIPMENT
M 2	96	ANTENNA 6–4 (SINS NAVIGATION SYSTEM RADAR)	RSB–0071	1								SINS NAV EQUIP (24" DOME)
M 3	97	ANTENNA 1–15 (SINS NAVIGATION SYSTEM GPS RECEIVER, GP–37)	GPA–019	1								SINS NAV EQUIP. (GP–37 RECEIVER)
M 7	98	SIRVSS STABILIZED GIMBAL ASSEMBLY		1				GFE		34		FLIR SIRVSS SYSTEM

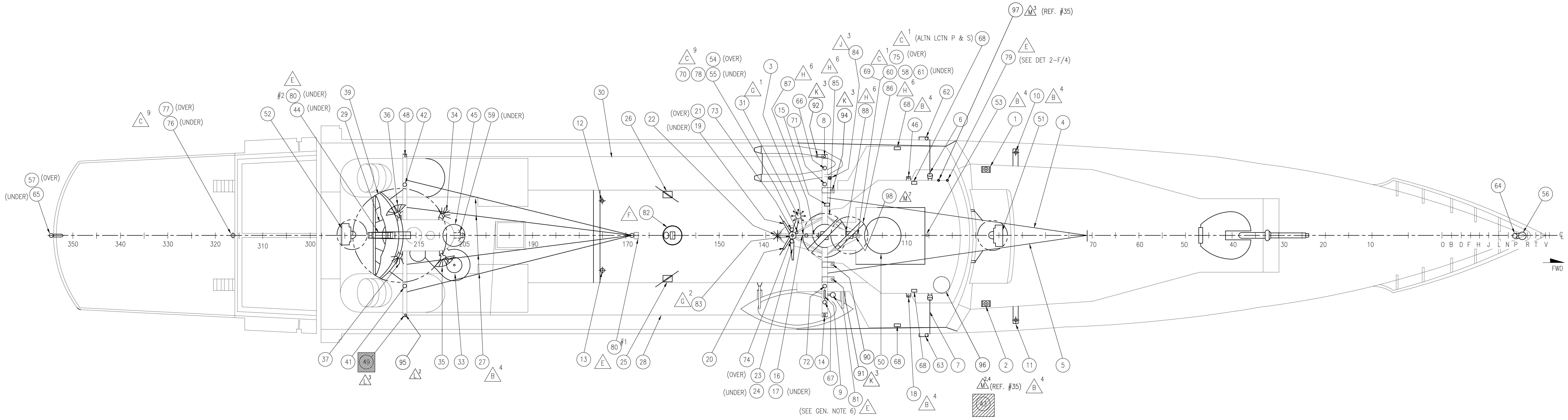
EQUIPMENT IDENTIFICATION LIST

SIZE	CAGE CODE	DWG. NO.	REV.
H	81340	378–FRAM–W–401–015	M

SCALE: NONE
10.42 SQ FT
SHEET 2

DWG NO 378–FRAM–W–401–015 SH 2 REV M

SCALE FACTOR 1
ELECTRONIC FILENAME 378–FRAM–W_401_15_2_–_M.dwg


57 (OVER)
(UNDER) 65
C 9
77 (OVER)
76 (UNDER)
E
#2 80 (UNDER)
44 (UNDER)
52
39
29
36
48
42
34
45
59 (UNDER)
30
12
26
22
(OVER) 21
(UNDER) 19
73
C 9
54 (OVER)
70 78 55 (UNDER)
G 1
31
3
H 6
87
15
66
71
K 3
92
8
85
H 6
J 3
84
K 3
94
H 6
88
C 1
75 (OVER)
69 60 58 61 (UNDER)
86
H 6
68
B 4
C 1 (ALTN LCTN P & S) 68
62
46
6
97 M 3 (REF. #35)
E
79 (SEE DET 2-F/4)
53
B 4
10
B 4
1
51
4
F
82
98
M 7
64
56
350
340
330
320
310
300
215
205
190
170
150
140
110
70
60
50
40
30
20
10
O B D F H J L N P R T V
℄
FWD
37
41
49
L 3
95
L 2
35
33
27
B 4
13
E
80 #1
25
28
20
G 2
83
74
(OVER) 23
(UNDER) 24
16
17 (UNDER)
72
14
67
9
81
(SEE GEN. NOTE 6) E
90
91
K 3
50
68
18
B 4
68
63
7
96
M 2,4 (REF. #35)
43
B 4
2
11
5

PLAN VIEW

B 1,2,5 C 1

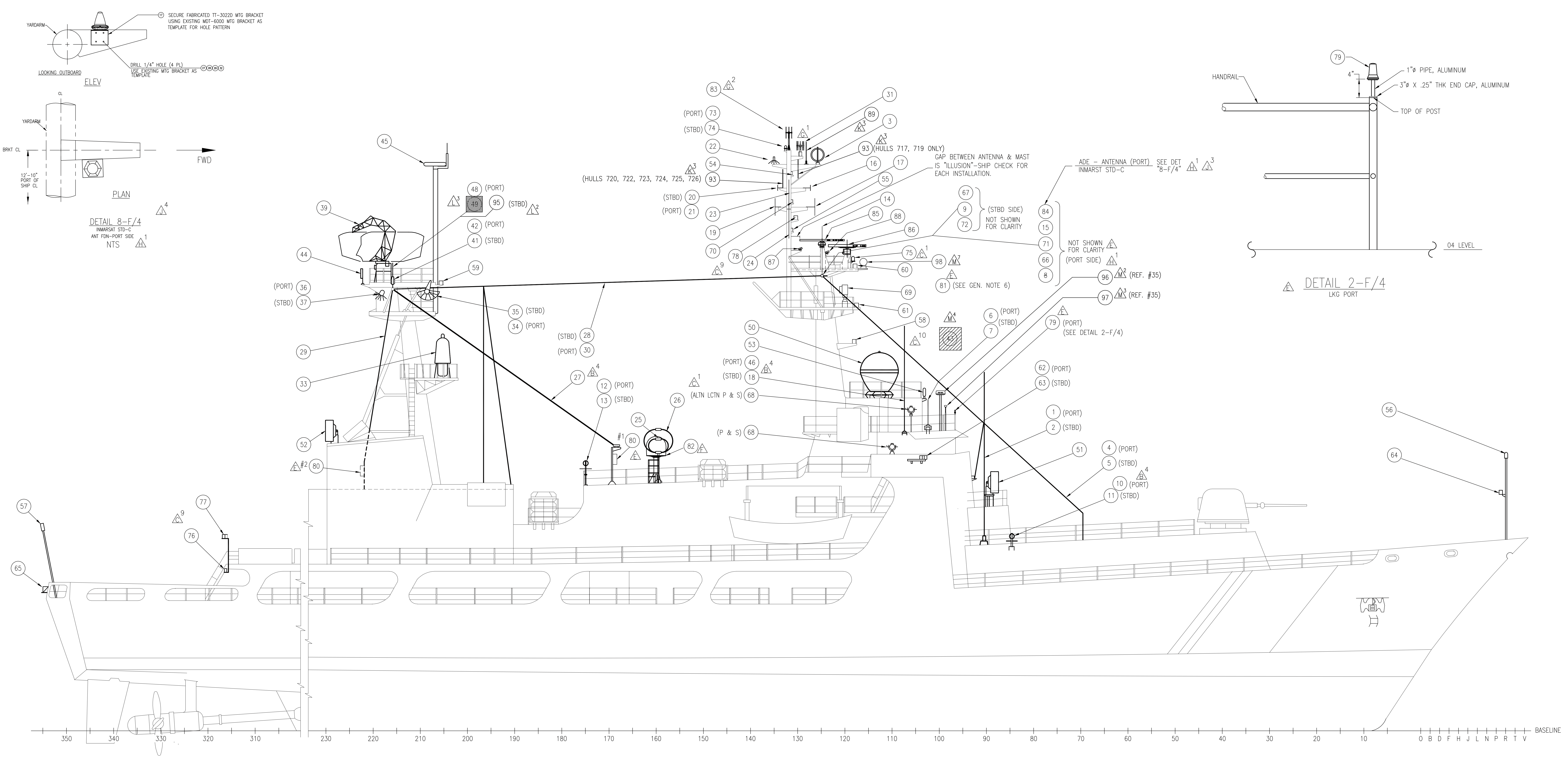
ANTENNA ARRANGEMENT
PLAN VIEW

SIZE	CAGE CODE	DWG. NO.	REV.
H	81340	378-FRAM-W-401-015	M
SCALE: 1/8"=1'-0"	10.42 SQ FT	SHEET 3	

SCALE FACTOR 96
ELECTRONIC FILENAME 378-FRAM-W_401_15_3_-_M.dwg

DWG NO. 378-FRAM-W-401-015 SH 3 REV M

DWG NO 378-FRAM-W-401-015 SH 4 REV M


YARDARM
(17) SECURE FABRICATED TT-3022D MTG BRACKET USING EXISTING MDT-6000 MTG BRACKET AS TEMPLATE FOR HOLE PATTERN
DRILL 1/4" HOLE (4 PL)
USE EXISTING MTG BRACKET AS TEMPLATE
(27)(28)(29)(32)
LOOKING OUTBOARD
ELEV
CL
YARDARM
ANT BRKT CL
FWD
12'-10" PORT OF SHIP CL
PLAN
J 4
HANDRAIL
79
4"
1"ø PIPE, ALUMINUM
3"ø X .25" THK END CAP, ALUMINUM
TOP OF POST
04 LEVEL
83 G 2
(PORT) 73
(STBD) 74
22
54
K 3
(HULLS 720, 722, 723, 724, 725, 726) 93
(STBD) 20
(PORT) 21
23
19
70
78
24
87
C 9
31
G 1
89
K 3
3
K 3
93 (HULLS 717, 719 ONLY)
16
17
55
GAP BETWEEN ANTENNA & MAST IS "ILLUSION"-SHIP CHECK FOR EACH INSTALLATION.
14
85
88
86
75 C 1
98 M 7
60
E
81 (SEE GEN. NOTE 6)
69
61
58
C 10
M 4
43
67
9
72
(STBD SIDE) NOT SHOWN FOR CLARITY
ADE - ANTENNA (PORT) INMARST STD-C SEE DET "8-F/4" H 1 J 3
84
15
71
66
8
NOT SHOWN FOR CLARITY E
(PORT SIDE) H 1
96 M 2 (REF. #35)
97 M 3 (REF. #35)
6 (PORT)
7 (STBD)
E
79 (PORT) (SEE DETAIL 2-F/4)
62 (PORT)
63 (STBD)
1 (PORT)
2 (STBD)
51
4 (PORT)
5 (STBD) B 4
10 (PORT)
11 (STBD)
56
64
45
39
48 (PORT)
49
95 (STBD)
42 (PORT)
41 (STBD)
44
59
(PORT) 36
(STBD) 37
35 (STBD)
34 (PORT)
29
33
(STBD) 28
(PORT) 30
27 B 4
12 (PORT)
13 (STBD)
C 1
26
25
#1 80
C
82 C
50
53
(PORT) 46
(STBD) 18 B 4
(ALTN LCTN P & S) 68
(P & S) 68
52
C #2 80
57
65
77
C 9
76
350 340 330 320 310 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10
0 B D F H J L N P R T V
BASELINE

DETAIL 8-F/4

INMARSAT STD-C
ANT FDN-PORT SIDE
NTS H 1

E DETAIL 2-F/4

LKG PORT

E ELEVATION 5-B/4

LOOKING PORT

B 1,2,5 C 11

ANTENNA ARRANGEMENT
ELEVATION 5-A/4, LOOKING PORT

SIZE	CAGE CODE	DWG. NO.	REV.
H	81340	378-FRAM-W-401-015	M
SCALE: 1/8"=1'-0"	10.42 SQ FT	SHEET 4	

SCALE FACTOR 96
ELECTRONIC FILENAME 378-FRAM-W_401_15_4_-_M.dwg

DWG NO 378-FRAM-W-401-015 SH 4 REV M